

Island Times



Environmental Investigation and Cleanup News Naval Station Treasure Island

Spring 2002

<http://www.efdswnavfac.navy.mil/Environmental/TreasureIsland.htm>

This quarterly newsletter has been developed to keep you informed about the Department of the Navy's (Navy) environmental activities on Treasure Island (TI) and Yerba Buena Island (YBI). The focus of this newsletter is to bring readers up-to-date on the status of the cleanup program at sites on TI and YBI. Future issues will keep readers informed of project progress and key milestones.

Environmental investigations and cleanup began on TI and YBI in the mid-1980s and continue today. These actions are being conducted by the Navy, with oversight provided by State and Federal environmental regulatory agencies.

Please share this information with family members, friends, and representatives from any local organizations that may benefit. Individuals, businesses, and organizations can receive future newsletters by completing and returning the mailing coupon found on the back page. We also welcome your comments on the newsletter.

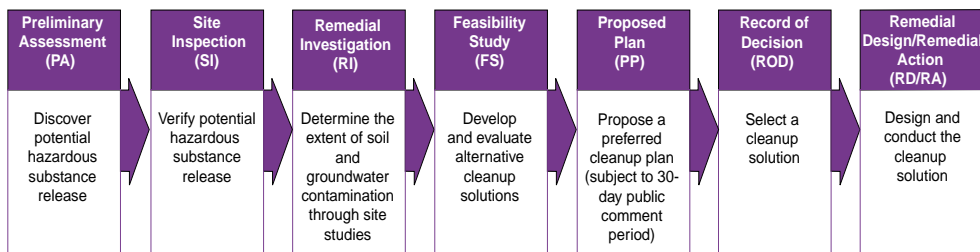
2001 YEAR IN REVIEW

This was a productive year for the environmental program on TI and YBI. Numerous investigation and cleanup activities were completed, bringing the Navy closer to its goal of transferring the majority of property to the City of San Francisco's Treasure Island Development Authority.

The Navy has identified a total of 25 sites, plus fuel lines and individual underground storage

tanks (USTs) as possibly having contamination in soil or groundwater. These sites are shown on the map on Page 2 and are being addressed using one of two cleanup processes: The Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) process a(16 sites) and the Petroleum program (9 sites).

The CERCLA process contains a series of steps that are summarized in the graphic below.



The Petroleum program deals with sites that are contaminated with fuels and other petroleum products. Petroleum sites on TI and YBI are divided into: (1) UST sites, (2) pipeline sites, and (3) sites where petroleum products were used (for example, an equipment maintenance area).

Site investigation and cleanup at these sites is usually more streamlined than CERCLA sites, because the source of the contamination is generally known (such as a tank or pipeline) and the contamination is limited to petroleum products. The typical steps are: (1) site investigation, (2) Corrective Action Plan (CAP) and cleanup, and (3) closure report.

The following pages provide brief descriptions of past site use, investigation and cleanup accomplishments, and upcoming activities for each of the sites on TI and YBI. A map of the sites that are currently under investigation and cleanup on TI and YBI is presented on page 2. The CERCLA sites are shown with a description and past use section, bulleted text that shows recent accomplishments, and a follow up section that details the next steps in the cleanup process. The Petroleum sites are presented on a table that shows where the sites are in the cleanup process and what still needs to be done.

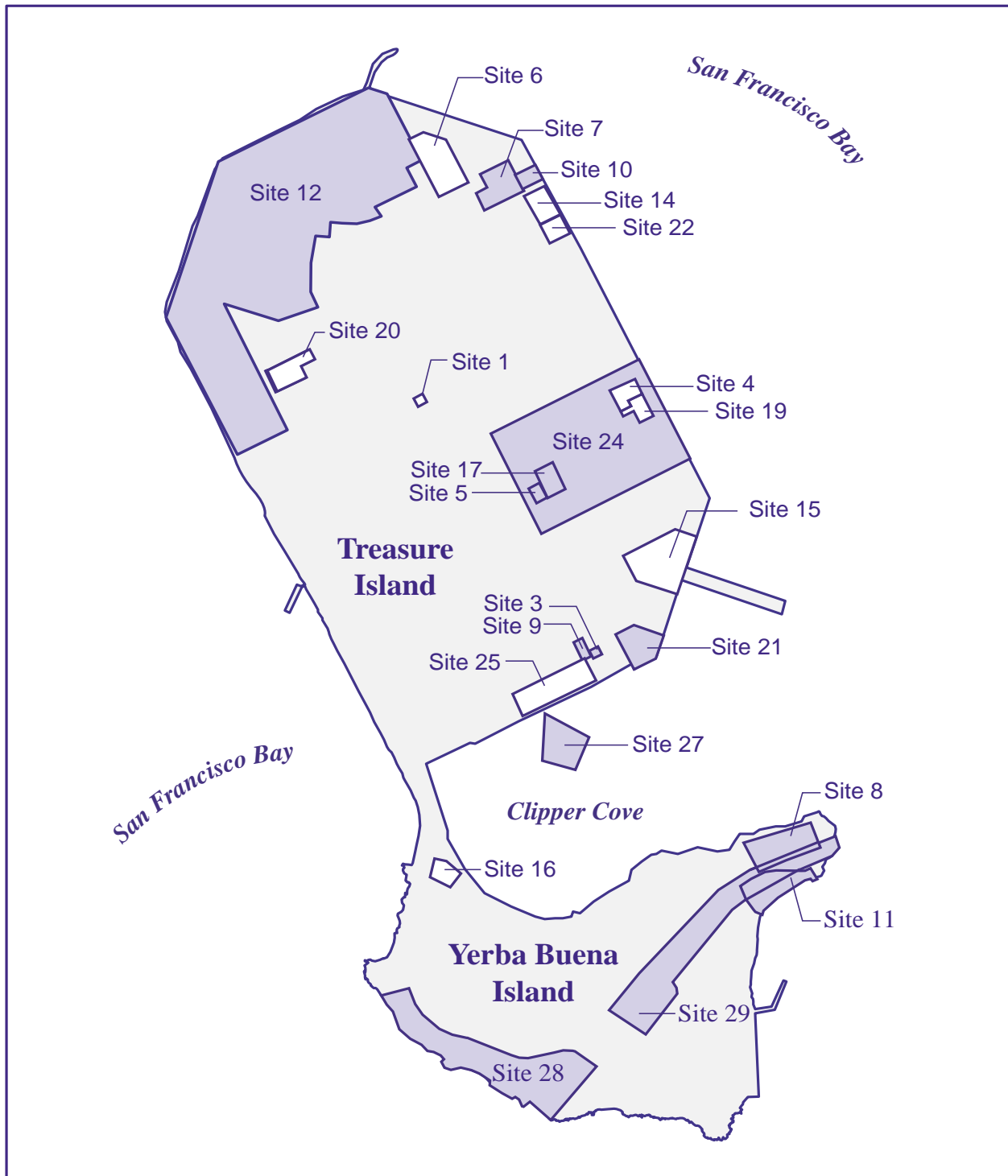
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TI/YBI HISTORICAL FACT QUESTION

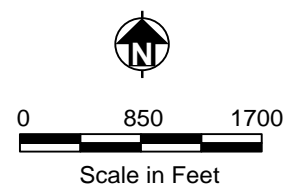
What buildings from the 1939-1940 Golden Gate International Exposition were built for a proposed airport on Treasure Island?

Answer on Page 7



NOTE: Site 13 encompasses the majority of the offshore area adjacent to storm water outfalls.

LEGEND	
	Petroleum Program Sites (UST and pipeline sites not included)
	CERCLA Program Sites



SITE DESCRIPTION AND STATUS – CERCLA SITES

The CERCLA process consists of a number of steps, as outlined in the graphic on Page 1. For each site, a timeline is provided to show the CERCLA steps. Steps shown are completed, or are in the process of being completed.

SITE 1 – FORMER MEDICAL CLINIC

PA	SI
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Description/Past Use

- ✓ The former medical clinic (Building 257) had an x-ray photograph laboratory onsite.
- ✓ The primary concern was silver that leached through wooden floor into soils under the medical building.

Accomplishments

- ✓ During investigation, a small quantity of soil contaminated with silver was removed from under the medical clinic building and disposed of at a hazardous waste landfill. Below the shallow layer of soil, an intact continuous concrete foundation was found beneath the building and was determined to be an effective barrier to potential contamination migration.
- ✓ Soil and groundwater samples from around and beneath the medical clinic building confirm that the concrete foundation prevented further silver contamination of the environment.

What's Next?

- ✓ The Navy has proposed to the regulatory agencies that no further investigation is necessary and that the site be closed.

SITE 3 – EQUIPMENT STORAGE AREA

PA	SI
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Description/Past Use

- ✓ Area was used to store and repair electrical transformers.
- ✓ Polychlorinated Biphenyls (PCB) are the source of concern.

Accomplishments

- ✓ Samples of soil and groundwater confirm that PCBs have not affected the environment.

What's Next?

- ✓ The Navy has proposed to the regulatory agencies that no further investigation is necessary and that the site be closed.

SITE 5 – OLD BOILER PLANT-

This site is being addressed as part of Site 24.

SITE 7 – PESTICIDE STORAGE AREA

PA	SI
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Description/Past Usage

- ✓ Pesticides, herbicides, paint, and other unidentified fluids were stored and handled in the northern end of Building 62.
- ✓ Sludge from the adjacent wastewater treatment facility may have been placed temporarily on the ground in an area southwest of Building 62.

Accomplishments

- ✓ Only one soil sample contained pesticides at concentrations above the allowable limits. Soil in this area was excavated as part of the construction of the new wastewater treatment facility.

What's Next?

- ✓ Sample soil beneath the northern end of Building 62 to determine if soil beneath the building was impacted by leaks through the floor.
- ✓ Sample soil on the southwestern side of the building to determine whether evidence of sludge placement exists in this area.
- ✓ Depending on the results of the current investigation, the Navy anticipates recommending to regulatory agencies that no further investigation is necessary. The site would then be closed.

SITE 8 – SLUDGE DISPOSAL AREA

PA	SI	RI
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Description/Past Usage

- ✓ The area was used for about 8 years to dispose of sludge from the wastewater treatment facility on TI.
- ✓ The contaminants of concern (COC) include pesticides and lead and other metals in soil. These COC's are from the use of lead based paint (LBP), vehicle emissions, and bridge/ramp painting and maintenance.

Accomplishments

- ✓ Soil and groundwater sample results confirm that metals and pesticides have not affected the environment.
- ✓ Additional soils data collected (by Caltrans) to investigate potential contaminants at construction sites has contributed to the data set for the site.
- ✓ An ecological risk assessment (ERA) has been completed.

What's Next?

- ✓ Complete the RI with incorporation of additional lead data.

SITE 9 – FOUNDRY

PA	SI	Removal	RI
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Description/Past Usage

- ✓ The area, including Building 41, was used as a forge and foundry, paint shop, welding shop, and boat maintenance shop.
- ✓ A hydraulic lift and associated 30-gallon UST were present at Building 41.
- ✓ COCs are solvents, lead, and petroleum products.

Accomplishments

- ✓ Water samples indicate that contamination is limited in extent and does not migrate offsite. Additional samples will be collected to further characterize groundwater at the site.

What's Next?

- ✓ Collect additional soil and groundwater samples to define the extent of contamination.
- ✓ The Navy is considering a soil removal action prior to completion of the RI.

SITE 10 – BUS PAINTING SHOP

PA	SI	Removal	RI
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Description/Past Usage

- ✓ The area, including Building 335, was used as a bus painting shop, paint mixing area, storage and mixing area for pest control solutions, and vehicle steam cleaning.
- ✓ Semi-volatile organic compounds (SVOC) and pesticides are COCs.

Accomplishments

- ✓ Water samples confirm that contamination has not affected the groundwater environment.

What's Next

- ✓ Collect additional soil samples to define the extent of contamination. Investigate catch basins on the southern side of Building 335.
- ✓ The Navy is considering a soil removal action prior to completion of the RI.

SITE 11 - YBL LANDFILL

PA	SI	RI
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Description/Past Usage

- ✓ The area was used as a landfill for various debris materials.
- ✓ COCs include total petroleum hydrocarbons (TPH), polycyclic aromatic hydrocarbons (PAH), volatile organic compounds (VOC), and metals.
- ✓ The area will be used for temporary storage and an access road by Caltrans in support of the new Bay Bridge construction.

Accomplishments

- ✓ An ERA has been completed.
- ✓ Additional investigations are underway to delineate lead in surface soil in conjunction with Site 29 and to delineate the landfill boundary.
- ✓ Groundwater samples near the bay confirms that COCs are present only at low levels.

What's Next

- ✓ Complete the RI.

SITE 12 – OLD BUNKER AREA

PA	SI	Removal	RI
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Description/Past Usage

- ✓ About 88 acres on the northern end of TI.
- ✓ Portions of the site were formerly used for storage bunkers, parking, equipment and material areas, refuse handling, and burn pits where debris from base operations was disposed of and burned.
- ✓ PCBs, PAHs, lead, TPH and construction debris have been found in soil. TPH has been found in groundwater.

Accomplishments

- ✓ In 2001, several soil removal actions have been conducted, including excavation and off-site disposal of 1,000 tons of PCB- or PAH-impacted soil. Other soil removals were conducted in previous years.

What's Next?

- ✓ Draft and Engineering Evaluation/Cost Analysis (EE/CA) to address soil and distribute for public comment.
- ✓ Conduct an additional removal action.
- ✓ Complete the RI.

SITE 13 – STORM WATER OUTFALLS

PA	SI	RI
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Description/Past Usage

- ✓ The sewer system conveys water from the surface and building drains to San Francisco Bay without treatment.

Accomplishments

- ✓ Completed additional investigation offshore Site 12.
- ✓ Completed RI.

What's Next?

- ✓ The RI Report proposed no action in relation to the storm water outfalls. The site would then be closed with a ROD.

SITE 17 - Tanks 103 and 104

This site is being addressed as part of Site 24.

SITE 21 – VESSEL WASTE OIL RECOVERY AREA

PA	SI	RI
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Description/Past Usage

- ✓ The area was used as an oil-water separator facility, with five 2,000-gallon above-ground storage tanks. An acid dip tank for parts cleaning was located at the south exterior side of Building 3.
- ✓ COCs are TPH and VOCs.

Accomplishments

- ✓ Additional investigation of VOC contamination is near completion.
- ✓ Groundwater sampling near the bay confirms that COCs are present only at low levels.

What's Next?

- ✓ Complete the RI.

SITE 24 – FORMER DRY CLEANING FACILITY

PA	SI	RI
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Description/Past Usage

- ✓ Building 99 formerly was used as a laundry and dry cleaning facility.
- ✓ Solvents are COCs.

Accomplishments

- ✓ Additional investigation focusing on delineation of the solvent source is near completion.

What's Next?

- ✓ Collect additional groundwater grab samples.
- ✓ Evaluate the site for interim remedial actions.
- ✓ Complete the RI.

SITE 27 – CLIPPER COVE SKEET RANGE

PA	SI	RI	FS
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Description/Past Usage

- ✓ The skeet range operated for about 10 years.
- ✓ Clay targets were launched from the shoreline, and lead shot was fired over Clipper Cove waters.
- ✓ Lead shot contamination in offshore sediment is the concern.

Accomplishments

- ✓ Completed an RI.

What's Next?

- ✓ Complete the FS.

SITE 28 – WEST SIDE ON/OFF RAMP

PA	SI	RI
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Description/Past Usage

- ✓ The west side ramp has been in operation since the Bay Bridge was constructed in 1936.
- ✓ The COC is lead and other metals in soil from the use of LBP and vehicle emissions and bridge/ramp painting and maintenance.

Accomplishments

- ✓ Data gathered to date are sufficient to suggest no further investigation.
- ✓ An ERA has been completed.

What's Next?

- ✓ Complete the RI.

SITE 29 - EAST SIDE ON/OFF RAMP

PA	SI	RI	FS	RD	ROD
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Description/Past Usage

- ✓ The west side ramp has been in operation since the Bay Bridge was constructed in 1936.
- ✓ The COC is lead and other metals in soil from use of LBP, vehicle emissions, and bridge/ramp painting and maintenance.
- ✓ The area will be used by Caltrans in support of new Bay Bridge construction.

Accomplishments

- ✓ Additional investigation is underway to delineate the extent of lead contamination in surface soil in conjunction with Site 11.
- ✓ An ERA has been completed.

What's Next?

- ✓ Complete an RI and coordinate any recommendations for cleanup with Caltrans.

SITE DESCRIPTION AND STATUS - PETROLEUM SITES

Site Number Site Name	Site Investigation	Corrective Action Plan and Cleanup	Closure Report	Comments
Site 4/19 Hydraulic Training School and Refuse Transfer Area	✓			<ul style="list-style-type: none"> ◆ Sites 4 and 19 have been merged together because of proximity. ◆ Cleanup is planned for late 2002.
Site 6 Fire Training Operations Area	✓	✓		<ul style="list-style-type: none"> ◆ Cleanup is planned for 2002. ◆ Groundwater will continue to be monitored.
Site 14/22 New Fuel Farm/Navy Exchange Service Station	✓	✓		<ul style="list-style-type: none"> ◆ A pilot-scale, soil vapor extraction (SVE) system has removed 600 pounds of hydrocarbon vapors. ◆ A full-scale SVE system will be installed in 2002.
Site 15 Old Fuel Farm	✓	✓		<ul style="list-style-type: none"> ◆ Soil excavation is planned for 2002. ◆ Groundwater will continue to be monitored.
Site 16 Clipper Cove Tank Farm	✓	✓		<ul style="list-style-type: none"> ◆ 102 tons of petroleum-impacted soils have been excavated. ◆ Closure report 2002.
Site 20 Auto Hobby Shop and Waste Oil Recovery Area	✓	✓		<ul style="list-style-type: none"> ◆ 4,800 tons of petroleum-impacted soil have been removed. ◆ Groundwater will continue to be monitored.
Site 25 Seaplane Maintenance Area	✓	✓		<ul style="list-style-type: none"> ◆ A pilot-scale SVE system is operating. ◆ A full-scale SVE system will be installed in 2002.
3rd and 5th Street Abandoned Pipeline (Pipeline Sites D1B and F2A)	✓	✓		<ul style="list-style-type: none"> ◆ A pilot-scale, dual vapor extraction system (DVE) has been installed to treat soil and groundwater. ◆ Groundwater will continue to be monitored.
Pipeline Sites D1A, D1C, D2A, D2B, D4A, D5, YF1, and YF2	✓	✓		<ul style="list-style-type: none"> ◆ These sites are being recommended for closure.
Pipeline Sites D4B				<ul style="list-style-type: none"> ◆ Groundwater will continue to be monitored.
Pipeline Sites F2B, YF3, and U.S. Coast Guard	✓	✓		<ul style="list-style-type: none"> ◆ Corrective action is expected in 2002 (or beyond).
Former Causeway Pipeline	✓	✓		<ul style="list-style-type: none"> ◆ Pipeline has been removed or abandoned in place. ◆ Closure will be requested in 2002.
Building 530 Pipeline	✓			<ul style="list-style-type: none"> ◆ The pipeline will be removed in 2002.
USTs 1A, 1E, 2C, and 368A	✓	✓	✓	<ul style="list-style-type: none"> ◆ UST closure is pending.
UST 234	✓	✓		<ul style="list-style-type: none"> ◆ Local Oversight Program closure is pending.
UST Adjacent to Building 66	✓	✓		<ul style="list-style-type: none"> ◆ The tank is closed in place. ◆ Removed 2,528-gallons of oily water from leaking tank. ◆ Sixteen tons of petroleum-impacted soil were removed. ◆ Closure report in 2002.
UST Site 227 (with Former 1,000-Gallon UST)	✓	✓		<ul style="list-style-type: none"> ◆ Soil excavation is planned for 2002. ◆ Groundwater will continue to be monitored.
UST Site 180-C	✓	✓		<ul style="list-style-type: none"> ◆ Site cleanup is planned for 2002.
USTs 201 and 368B	✓	✓		<ul style="list-style-type: none"> ◆ Closure is expected in 2002.
USTs 204 A/B	✓	✓		<ul style="list-style-type: none"> ◆ Removal is pending.
U.S. Coast Guard Site (with Former USTs)	✓			<ul style="list-style-type: none"> ◆ A pilot-scale DVE system will be installed in 2003.

UPCOMING RAB MEETINGS

[http://www.efdswnavfac.navy.mil/
environmental/ncrabschedule.htm](http://www.efdswnavfac.navy.mil/environmental/ncrabschedule.htm)

Tuesday, March 19th 2002

Tuesday, April 16th 2002

Tuesday, May 21nd 2002

Tuesday, June 18th 2002

TI/YBI HISTORICAL FACT ANSWER

Buildings 1, 2, and 3. Building 1 was constructed in 1938 as the Administration Building for the Exposition and future airport terminal, and later served as the Navy's administration building. Buildings 2 and 3 were constructed as exhibition buildings and future airport hangars. Building 2, the Exposition's "Hall of Transportation" also housed Pan American's Clipper flying boat service during the fair and WWII. Building 3, the "Palace of Fine Arts", was never used for a hangar and was later used for Navy maintenance shops and technical training schools.

INFORMATION REPOSITORIES

The Navy maintains two information repositories for TI that contain project documents and other reference materials related to cleanup of TI and YBI. You are encouraged to review the documents to gain a more complete understanding of the environmental work.

City of San Francisco Main Library

Science, Technical, and Government Documents Room
100 Larkin Street
San Francisco, California 94102
(415) 557-4500

Navy Southwest Detachment – Treasure Island

410 Palm Avenue, Room 161, Building 1
San Francisco, California 94130
(415) 743-4704

RESTORATION ADVISORY BOARD PLAYS A VITAL ROLE

Reviewing technical documents, providing input, relaying information to the community, and working with the Navy to make a difference — these are just some of the activities that define the mission of the community-based TI Restoration Advisory Board (RAB).

The RAB was established in 1994 to increase public participation in the environmental restoration program and to serve as a focal point for the exchange of information between the Navy and the local community. The RAB, comprised of local citizens and representatives of various environmental organizations, meets monthly with representatives of the Navy, U.S. EPA, and the California Department of Toxic Substances Control (DTSC) and Regional Water Quality Control Board (RWQCB).

To learn more about cleanup activities at TI and YBI, you are invited to attend one of the monthly RAB meetings. The TI RAB meets from 7:00 to 9:00 p.m. on the third Tuesday of each month at the Casa de la Vista, Building 271, located on Palm Avenue on TI.



**Jim Sullivan - Navy Co-Chair, and
Rick Champion - RAB Community Alternate Chair
chat at the February RAB meeting.**

NEWSLETTER NOW AVAILABLE VIA INTERNET AND E-MAIL

Did you know that the *Island Times* is available on the web? In response to requests from various individuals and groups for more information via the web, and to improve access to environmental cleanup information at TI and YBI, this newsletter and other documents are now available on the internet. For this issue and previous issues point your browser to:

<http://www.efdswnavfac.navy.mil/environmental/treasureisland.htm>

Use the mailing coupon on the back page of this newsletter and give us your e-mail address if you would prefer to receive future issues of the *Island Times* via e-mail. We will make sure to send you all future issues electronically.

The mailing list update form is also available to add people to the distribution list or update your mailing address. Please fill out and return the form or pass it along to someone who may be interested.

FOR MORE INFORMATION

Your concerns, comments and questions are important and welcomed.

To reach us, please contact the
Navy Environmental Liaison for TI:

Steve Edde

410 Palm Avenue, Room 161

Treasure Island, San Francisco

California 94130

telephone: (415) 743-4704

e-mail: eddesl@efdswnavfac.navy.mil

TI TEAM MEMBER PROFILE

David Rist has his work cut out for him these days. As a hazardous substance scientist for DTSC, David is responsible for overseeing the Navy's investigation and cleanup work on TI and YBI. This involves coordinating with all involved state and federal agencies, reviewing and approving all site investigation and cleanup plans, formulating policy, reviewing leasing and land reuse decisions, and ensuring that appropriate rules and regulations that guide site cleanup are adhered to.

DTSC is part of the California Environmental Protection Agency, with responsibility for cleaning up hazardous waste sites and protecting public health and the environment. David has worked for DTSC since 1988 and on federal facility projects since 1995. He has been assigned to the TI and YBI site cleanup effort for the last 4 years. He particularly enjoys the challenge of cleaning up TI and YBI to fit the future uses proposed in the draft Base Reuse Plan. "It is exciting to work with a group of diverse people to establish a new community in San Francisco," David recently said.

David holds a Bachelor of Science degree in soils science from the California Polytechnic University and a Master of Science degree in public health from San Jose State University.



**David Rist, DTSC Project Manager
for TI and YBI environmental work.**

NAVY CONTACTS

Name/Title	Organization	Phone	Address	E-mail
James Sullivan BRAC Environmental Coordinator	Naval Facilities Engineering Command, Southwest Division	(619) 532-0966 Fax: (619) 532-0983	1230 Columbia St., Suite 1100 San Diego, CA 92101	sullivanjb@efdswnavfac.navy.mil
Steve Edde Environmental Liaison	Naval Facilities Engineering Command, Southwest Division	(415) 743-4704 Fax: (415) 743-4700	410 Palm Ave. Bldg. 1, Rm. 161 Treasure Island San Francisco, CA 94130	eddesl@efdswnavfac.navy.mil
Tom Pinard Public Affairs Officer	Naval Facilities Engineering Command, Southwest Division	(415) 743-4733 Fax: (415) 743-4700	410 Palm Ave. Bldg. 1, Rm. 161 Treasure Island San Francisco, CA 94130	pinardtc@efdswnavfac.navy.mil



TI MAILING COUPON

To better serve the community of TI, we are continually updating our mailing list. Please complete the information form and return it to us.

1. Yes, please add me to the TI mailing list.

I would like to receive (check all that apply):

☐ quarterly newsletters and fact sheets

☐ monthly RAB meeting agendas, minutes, and notices of upcoming meetings

2. I would prefer to receive mailers by

(please check one box and then complete all information in the mailing the coupon on the back page):

☐ US Mail ☐ E-mail

3. Please delete me from the mailing list.

☐ I do not want to receive TI mail.

4. I have been receiving extra mailings. Please provide the correct mailing address in the coupon on the back page.
All other addresses will be deleted.

5. ☐ I am interested in receiving information on the RAB.

Please return by US Mail or fax to: Steve Edde, Navy Southwest Detachment, 415-743-4700.

Steve Edde
Navy Detachment
410 Palm Avenue
Room 161, Building 1
Treasure Island
San Francisco, CA 94130-1802



Mailing Coupon

If you would like to be added to the TI/YBI mailing list and receive copies of future newsletters and fact sheets, please fill out the coupon below and mail it to:

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Room 161, Building 1
Treasure Island, San Francisco, CA 94130-1802

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